

ANTI-MICROBIAL-ADHESION FRACTION
DERIVED FROM VACCINIUM

ABSTRACT OF THE DISCLOSURE

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10 A non-food anti-microbial-adhesion and aggregation
composition comprising a suitable carrier and an
effective amount of an adhesion inhibitory fraction
isolated from juice from berries of the *Vaccinium* plant
15 genus. In an embodiment the anti-aggregation and
adhesion fraction is isolated from cranberry juice. It
is characterized as being polymeric and having a
molecular weight $\geq 14,000$; an elemental analysis of
carbon 43-51%, hydrogen 4-5%, no nitrogen, no sulfur
20 and no chlorine; a nuclear magnetic resonance (NMR)
line spectrum as set forth in Figures 2A and 2B; and an
ultraviolet spectrum with an absorption peak at 280 nm
in neutral or acidic pH solution which is absent in
alkali solutions. This fraction exhibits adhesion
inhibitory activity against P fimbriated bacteria, oral
bacteria and *Helicobacter pylori*.